

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E30676

**Employer :** U.S. Air Force

**Worksite :** Fairchild Air Force Base

**Street :** 100 W Ent St Suite 155

**Jurisdiction :** Unincorporated Spokane County

**Survey Date :** 7/15/2016

**Survey Type :** Online

**Response Rate :** 71%

### Drive Alone & One-Way VMT Rates at this Worksite

### Employees and Survey Response Information

**Drive Alone :** 90.7%

**Reported Total Employees at Worksite:** 1,048

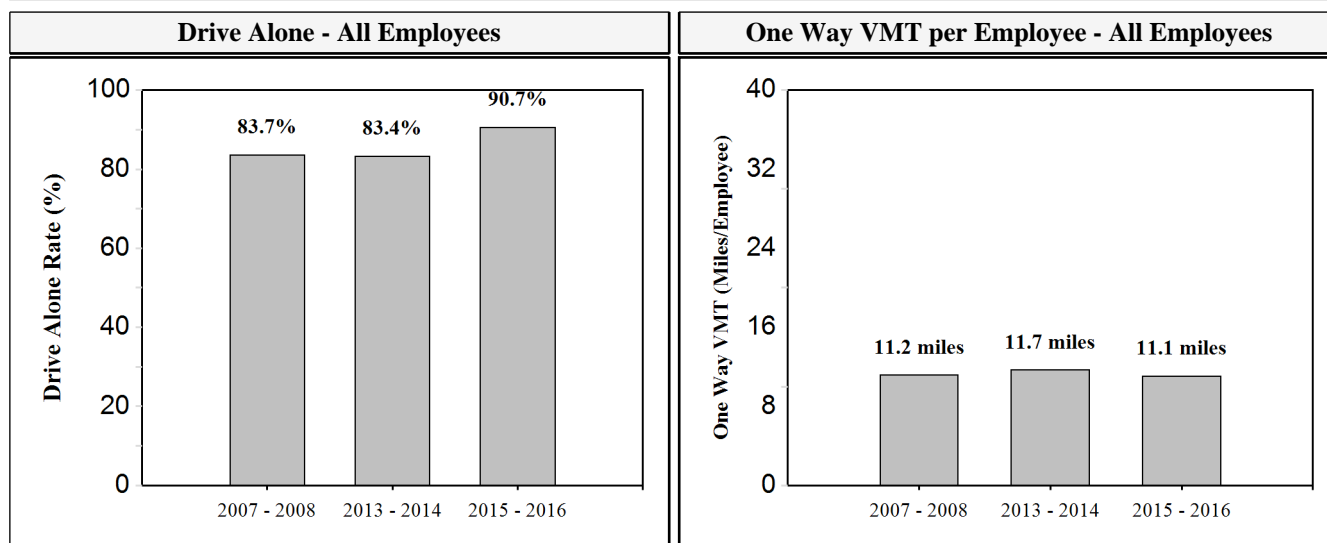
**Surveys Distributed :** 1,048

**One-Way VMT per employee :** 11.1

**Surveys Returned :** 743

**Surveys Returned by CTR Affected Employees :** 664

**Total Estimated CTR - Affected Employees at Worksite :** 937



### Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	83.7%	83.9%	11.2	11.6
2009 - 2010	84.5%	84.6%	10.8	11.0
2011 - 2012	84.6%	83.7%	10.9	10.9
2013 - 2014	83.4%	82.7%	11.7	12.0
2015 - 2016	90.7%	91.1%	11.1	11.1
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	8.4%	8.6%	-0.9%	-4.3%

## Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2013 - 2014	2013 - 2014 Without Fill In	2015 - 2016
Drive Alone - All Employees*	83.7%	83.4%	83.2%	90.7%
Drive Alone - CTR Affected Employees*	83.9%	82.7%	82.5%	91.1%
VMT/Employee - All Employees	11.2	11.7	11.6	11.1
VMT/Employees - CTR Affected Employees	11.6	12.0	11.9	11.1

\* Drive alone rate includes one person motorcycles.

**Congratulations! You achieved a survey response rate of 70% or higher on this survey. Fill-in comparison for previous surveys, if applicable, are included in the chart above.**

## GHG Emissions: Total for Drive Alone, Carpools, Vanpools

### Annual Greenhouse Gas Emissions (Metric Tons CO<sub>2</sub>e) for Roundtrip Commute\*

Value	2007 - 2008	2013 - 2014	2015 - 2016
Emissions for Surveyed Employees	5,871	2,084	1,752
Estimated Emissions for Total Employment	7,165	9,273	2,471

\* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

## Bus Transit Passenger Miles and Rail Transit Passenger Miles\*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2013 - 2014	2015 - 2016
Bus Annual Passenger Miles - Estimated for Total Employment	23,430	29,370	987
Bus Annual Passenger Miles - Surveyed Employees	19,200	6,600	700
Ferry Annual Passenger Miles - Estimated for Total Employment	0	9,790	4,231
Ferry Annual Passenger Miles - Surveyed Employees	0	2,200	3,000
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	445	6,206
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	100	4,400

\* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO<sub>2</sub>e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO<sub>2</sub>e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO<sub>2</sub>e emissions per passenger mile for train/light rail/streetcar.

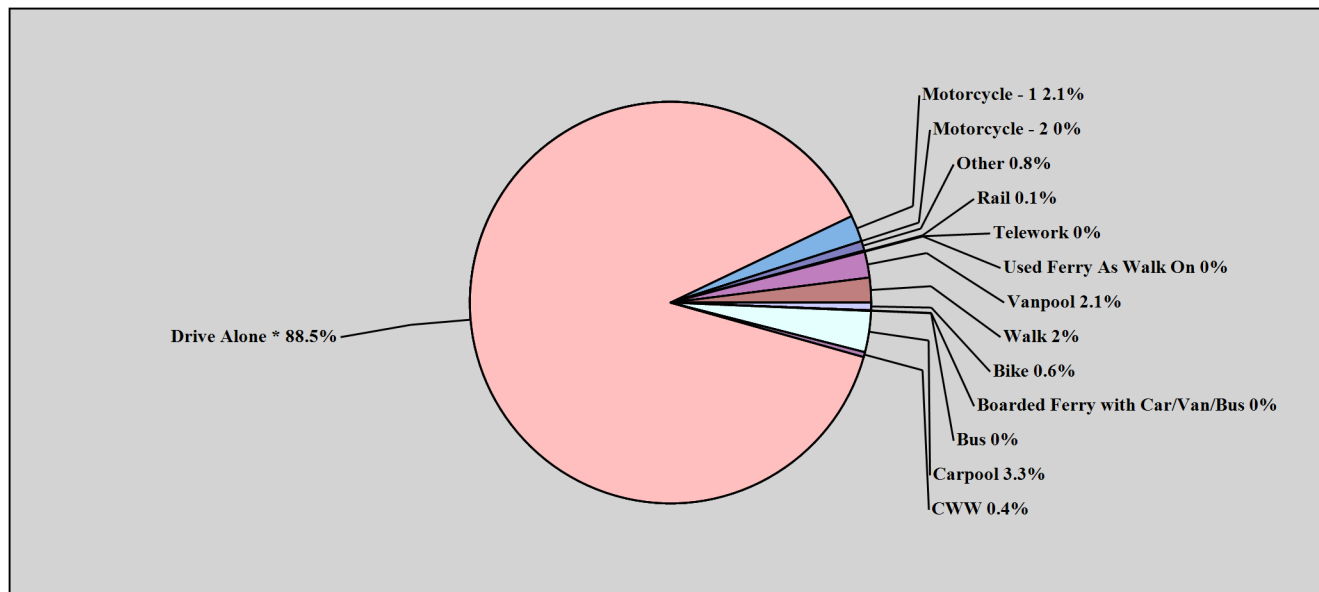
**Q3.**

<b>One way, how many miles do you commute from home to your usual work location?</b>
<b>Average one-way distance home to work: 11.8 miles</b>

## Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



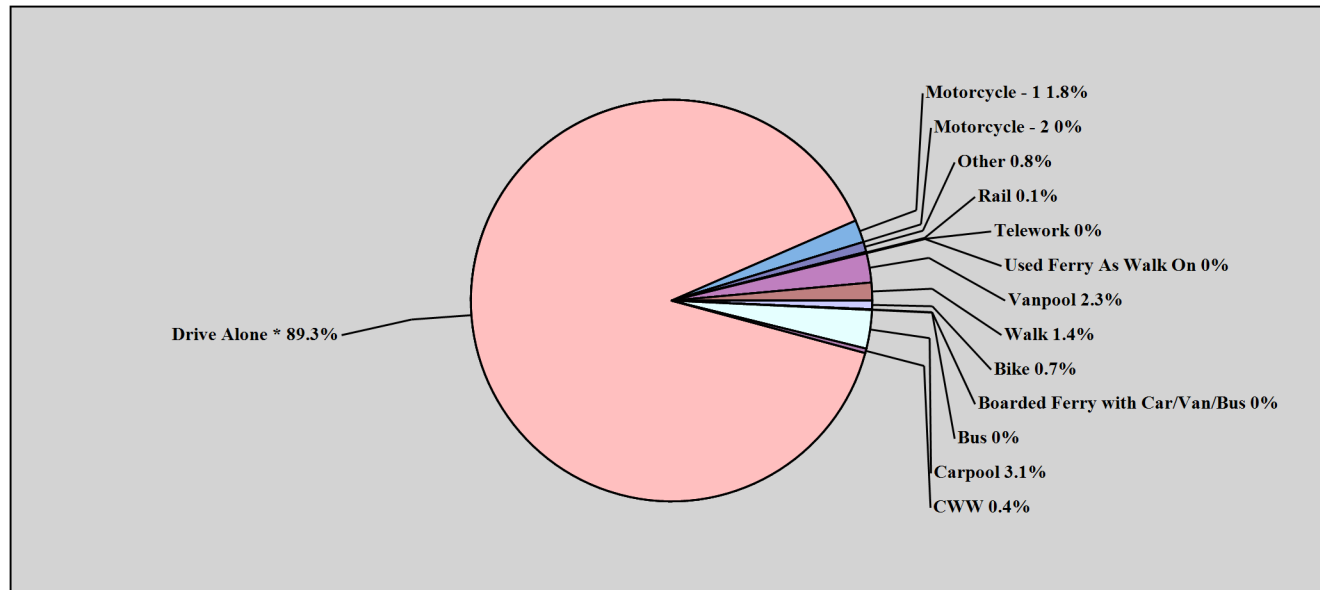
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,322	88.5%	80.5%	673	90.6%	85.5%
Carpool	124	3.3%	5.8%	31	4.2%	8.0%
Vanpool	78	2.1%	5.5%	19	2.6%	6.8%
Motorcycle - 1	80	2.1%	2.6%	24	3.2%	4.2%
Motorcycle - 2	0	0.0%	0.5%	0	0.0%	0.7%
Bus	1	0.0%	0.1%	1	0.1%	0.2%
Rail	3	0.1%	0.0%	2	0.3%	0.1%
Bike	23	0.6%	2.0%	8	1.1%	2.7%
Walk	75	2.0%	1.4%	16	2.2%	1.5%
Telework	1	0.0%	0.0%	1	0.1%	0.1%
CWW	15	0.4%	0.6%	10	1.3%	3.0%
Boarded Ferry with Car/Van/Bus	1	0.0%	0.1%	1	0.1%	0.2%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	29	0.8%	0.9%	7	0.9%	1.2%

\* Drive alone mode includes fill-in, where applicable.

## Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	2,969	89.3%	79.5%	604	91.0%	84.7%
Carpool	103	3.1%	5.8%	25	3.8%	8.1%
Vanpool	78	2.3%	6.1%	19	2.9%	7.4%
Motorcycle - 1	60	1.8%	2.9%	18	2.7%	4.5%
Motorcycle - 2	0	0.0%	0.5%	0	0.0%	0.8%
Bus	1	0.0%	0.1%	1	0.2%	0.1%
Rail	3	0.1%	0.0%	2	0.3%	0.0%
Bike	23	0.7%	2.0%	8	1.2%	2.7%
Walk	48	1.4%	1.3%	10	1.5%	1.4%
Telework	1	0.0%	0.0%	1	0.2%	0.1%
CWW	12	0.4%	0.6%	8	1.2%	3.1%
Boarded Ferry with Car/Van/Bus	1	0.0%	0.1%	1	0.2%	0.1%
Used Ferry As Walk On	0	0.0%	0.0%	0	0.0%	0.0%
Other	27	0.8%	1.0%	6	0.9%	1.4%

\* Drive alone mode includes fill-in, where applicable.

### Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	655	88%	743	100%
1 Days	7	1%	88	12%
2 Days	12	2%	81	11%
3 Days	15	2%	69	9%
4 Days	8	1%	54	7%
5 Days	38	5%	46	6%
6 or More Days	8	1%	8	1%

### Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	480	74.7%	30	4.7%	0	0%	21	3.3%	0	0%	6	0.9%	17	2.6%	3	0.5%	47	7.3%
4 days a week (4/10s)	3	17.6%	10	58.8%	0	0%	1	5.9%	0	0%	0	0%	0	0%	0	0%	3	17.6%
3 days a week	0	0%	1	33.3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	33.3%
9 days in 2 weeks (9/80)	13	36.1%	7	19.4%	0	0%	1	2.8%	0	0%	11	30.6%	0	0%	0	0%	12	33.3%
7 days in 2 weeks	3	30%	1	10%	0	0%	0	0%	0	0%	0	0%	0	0%	1	10%	1	10%
Other	12	40%	5	16.7%	0	0%	1	3.3%	0	0%	1	3.3%	0	0%	1	3.3%	4	13.3%

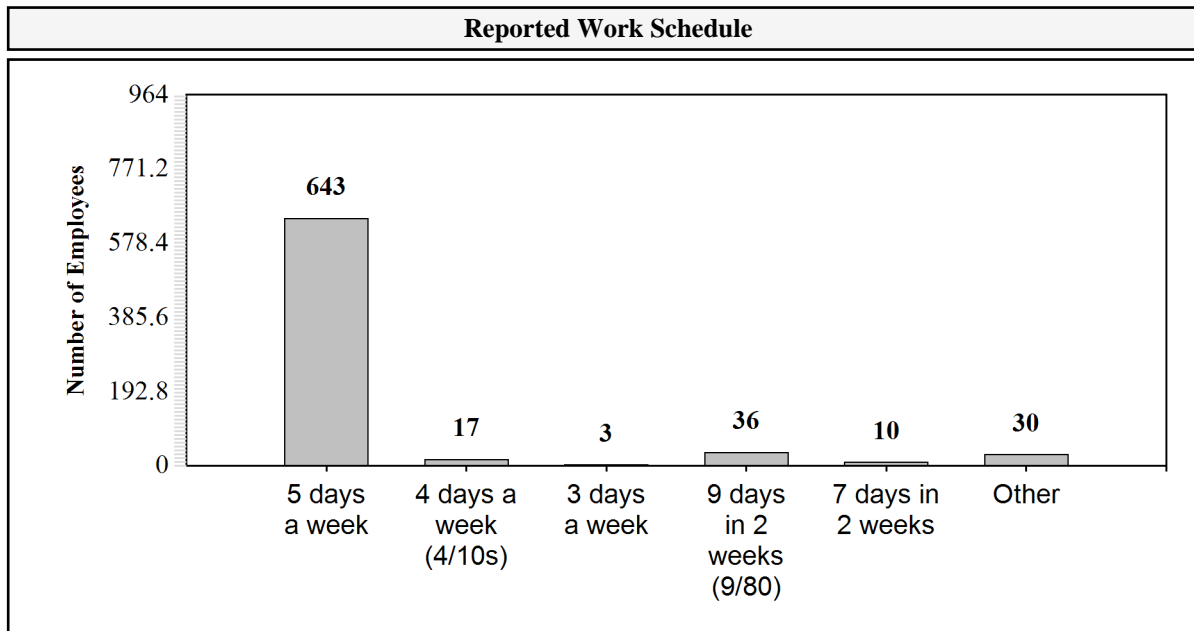
## Count by Occupancy of Carpools, Vanpools, and Motorcycles

**Q.4b** If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	81
2	Motorcycle	0
2	Carpool	110
3	Carpool	11
4	Carpool	0
5	Carpool	3
>5	Carpool	0
<5	Vanpool	54
5	Vanpool	9
6	Vanpool	10
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	5
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

## Reported Work Schedule - All Employees

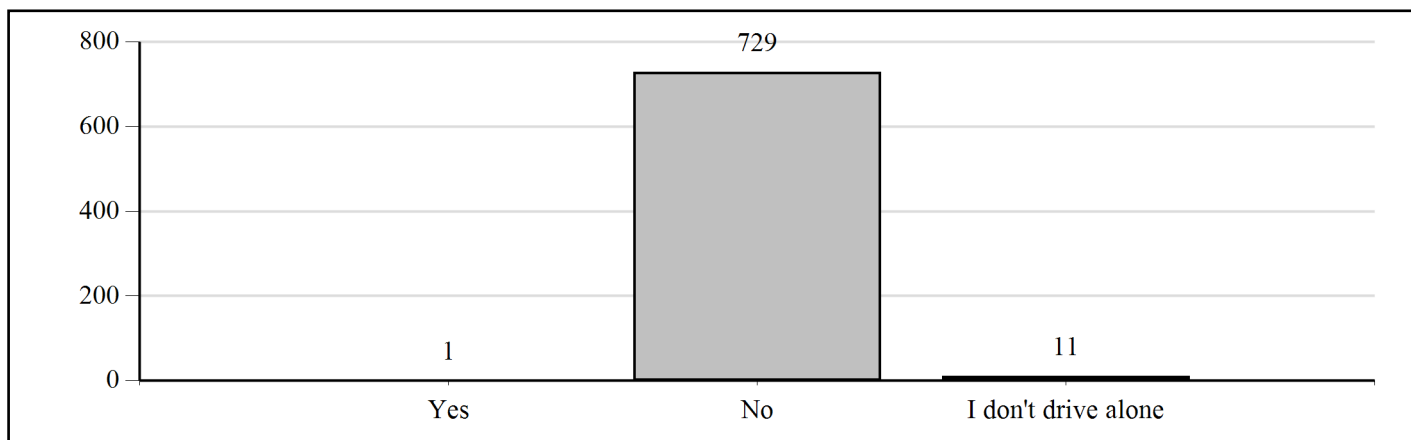
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	643	87%
4 days a week (4/10s)	17	2.3%
3 days a week	3	0.4%
9 days in 2 weeks (9/80)	36	4.9%
7 days in 2 weeks	10	1.4%
Other	30	4.1%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	2	0.3%
I don't telework	718	96.6%
Occasionally, on an as-needed basis	16	2.2%
1-2 days/month	3	0.4%
1 day/week	2	0.3%
2 days/week	1	0.1%
3 days/week	1	0.1%



## Reasons for driving alone to work/not driving alone to work

**Q11. When you do not drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
To save money	246	22.7%
Other	228	21.1%
Financial incentives for carpooling, bicycling or walking.	121	11.2%
Driving myself is not an option	108	10.0%
Personal health or well-being	100	9.2%
Environmental and community benefits	100	9.2%
Emergency ride home is provided	57	5.3%
Free or subsidized bus, train, vanpool pass or fare benefit	50	4.6%
Cost of parking or lack of parking	28	2.6%
To save time using the HOV lane	17	1.6%
I have the option of teleworking	15	1.4%
Preferred/reserved carpool/vanpool parking is provided	10	0.9%
I receive a financial incentive for giving up my parking space	3	0.3%

**Q12. When you drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
I like the convenience of having my car	551	31.0%
Riding the bus or train is inconvenient or takes too long	274	15.4%
My commute distance is too short	262	14.7%
Family care or similar obligations	203	11.4%
My job requires me to use my car for work	191	10.7%
Other	147	8.3%
Bicycling or walking isn't safe	104	5.8%
I need more information on alternative modes	30	1.7%
There isn't any secure or covered bicycle parking	16	0.9%

**Employee Transit Use - All Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	1	0	0	0	0	0	16
2	2	1	0	0	0	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0	1
4	0	0	0	1	0	0	0	0	0	1
5	0	0	0	0	0	1	0	0	0	5
6	0	0	1	0	1	0	0	0	0	0
7	1	1	1	1	1	1	2	1	1	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1
11 or more	0	0	0	0	0	0	0	0	0	1
# Of Employees using Transit	6	2	3	3	2	2	2	1	1	26
Total One-Way Transit Trips Per Week	14	9	16	12	13	12	14	7	7	79

**Employee Transit Use - Affected Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	0	1	0	0	0	0	0	14
2	0	1	0	0	0	0	0	0	0	0
3	0	0	1	0	0	0	0	0	0	1
4	0	0	0	1	0	0	0	0	0	1
5	0	0	0	0	0	1	0	0	0	3
6	0	0	1	0	1	0	0	0	0	0
7	1	1	1	1	1	1	2	1	1	1
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1
11 or more	0	0	0	0	0	0	0	0	0	0
# Of Employees using Transit	4	2	3	3	2	2	2	1	1	21
Total One-Way Transit Trips Per Week	10	9	16	12	13	12	14	7	7	53

## Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	1	0.13%	0	0	0	0	0	0	0	0	0	0	0	0	0
03051	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
21075	1	0.13%	0	0	0	0	0	0	0	5	0	0	0	0	0
47714	1	0.13%	7	0	0	0	0	0	0	0	0	0	0	0	0
74128	1	0.13%	7	0	0	0	0	0	0	0	0	0	0	0	0
83854	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98270	1	0.13%	0	0	0	0	0	0	0	7	0	0	0	0	0
99001	50	6.73%	239	10	0	5	0	0	0	0	0	2	0	0	0
99004	58	7.81%	254	13	3	14	0	0	0	5	0	2	0	0	5
99005	4	0.54%	12	0	0	8	0	0	0	0	0	0	0	0	0
99006	2	0.27%	10	0	0	0	0	0	0	0	0	0	0	0	0
99008	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99011	210	28.26%	929	40	2	11	0	0	16	58	0	0	0	0	5
99016	7	0.94%	31	0	0	0	0	1	2	0	0	0	1	0	0
99019	6	0.81%	32	0	0	0	0	0	0	0	0	0	0	0	0
99021	2	0.27%	10	0	0	0	0	0	0	0	0	0	0	0	0
99022	60	8.08%	290	5	0	0	0	0	0	0	0	1	0	0	5
99025	2	0.27%	4	5	0	0	0	0	0	0	0	0	0	0	0
99026	13	1.75%	42	10	12	0	0	0	0	0	0	0	0	0	0
99029	4	0.54%	17	0	0	2	0	0	0	0	0	0	0	0	0
99037	5	0.67%	18	0	6	0	0	0	0	0	0	0	0	0	0
99044	1	0.13%	7	0	0	0	0	0	0	0	0	0	0	0	0
99122	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99148	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99170	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
99201	12	1.62%	61	3	0	0	0	0	0	0	0	0	0	0	0



<b>99202</b>	18	2.42%	82	0	0	10	0	0	0	0	0	0	0	0	0
<b>99203</b>	17	2.29%	68	0	8	0	0	0	0	0	0	5	0	0	0
<b>99204</b>	8	1.08%	40	0	0	0	0	0	0	0	0	0	0	0	0
<b>99205</b>	30	4.04%	114	17	6	9	0	0	0	0	0	2	0	0	0
<b>99206</b>	10	1.35%	46	0	4	0	0	0	0	0	0	0	0	0	2
<b>99207</b>	7	0.94%	31	0	0	0	0	0	0	0	0	0	0	0	0
<b>99208</b>	26	3.50%	111	10	4	1	0	0	0	0	0	2	0	0	0
<b>99210</b>	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>99212</b>	11	1.48%	49	0	5	0	0	0	0	0	0	0	0	0	0
<b>99216</b>	18	2.42%	89	0	5	0	0	0	0	0	0	0	0	0	0
<b>99217</b>	7	0.94%	20	0	3	11	0	0	0	0	0	1	0	0	0
<b>99218</b>	8	1.08%	29	3	11	0	0	0	0	0	1	0	0	0	0
<b>99223</b>	19	2.56%	76	0	9	0	0	0	0	0	0	0	0	0	7
<b>99224</b>	116	15.61%	562	8	0	10	1	2	5	0	0	0	0	0	5